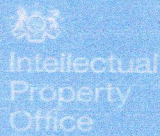


PATENTS RECEIVED/PUBLISHED by Nehru Memorial College

- 1) Dr. K.T. Tamilmani – English Language skill analyzing device (12/03/2024 – 6350795)
- 2) Dr. V. Umadevi – Using remote sensing with advanced machine learning methods offers significant potential to enhance (19/07/2024 – 202441052069)
- 3) Dr. V. Umadevi – Using IOT, Monitoring of the human health using the statistical report by supervised classification (26/07/2024 – 202441053797)
- 4) Dr. V. Priya – Machine Learning and deep learning system for incoming traffic detection and classification in a secure cloud computing environment (01/09/2023-202341052656)
- 5) Dr. V. Priya – Digital Technology and artificial intelligence model for HR function in large organization (11/08/2023 – 202321035566)
- 6) Dr. K. Parimala – Biodegradable organic Nanomaterials for sustainable agriculture and crop protection (30.06.2023 – 202341038288 A)
- 7) Dr. K. Saravanan & Dr. G. Revathi – Antidiabetic polyherbal drug loaded chitosan nanoparticle and a process thereof (23/06/2023 -202341032840 A)
- 8) Dr. K. Saravanan – Phyto-Pharmacological appraisal of herbal crude drugs (16/01/2023 – 202311003216 A)
- 9) Dr. V. Mohana Selvi – A Study on different rebellion number for simple graphs and its tight (13/01/2023 – 202341001184 A)
- 10) Dr. L. Anitha – Vibration structural monitoring system based on internet of things (18/11/2022 – 202241060912 A)
- 11) Mr. B. Ramesh – Blockchain data communication channel of E- Healthcare system (29/04/2022 – 202241021436 A)
- 12) Dr. D. Jayachitra – AI and deep learning based fruit recognition & Calories estimation (14/01/2022 – 202211000223 A)
- 13) Dr. V. Umadevi – AI abetted material synthesizing for hybrid metal rubber composite and 3D Printing (16/05/2021 – 2021102605)
- 14) Dr. K. Saravanan & Dr. G. Revathi – Nanaotechnology based antimicrobial bandage dispensing instrument (31/12/2021 – 353516-001)
- 15) Dr. A. Idhayadhulla & Dr. R. Surendrakumar – Larvicidal and Antifeedant Compounds and a Process Thereof (30/04/2021 – 201941043599 A)
- 16) Dr. A. Idhayadhulla & Dr. R. Surendrakumar– Larvicidal Compounds and a Process Thereof (14/06/2019 – 201941022600 A)
- 17) Dr. M.P. Santhi – A Pharmaceutical Formulation for Treating Urolithiasis (24/11/2017 – 201741037650 A)

APPLICANT NAME : **Dr. K.T. TAMILMANI**
TITLE : **ENGLISH LANGUAGE SKILL ANALYZING DEVICE**
DATE : **03/03/2024**
DESIGN NO : **6350795**
DATE : **12/03/2024**



Certificate of Registration for a UK Design

Design number: 6350795
Grant date: 12 March 2024
Registration date: 03 March 2024

This is to certify that,

in pursuance of and subject to the provision of Registered Designs Act 1949, the design of which a representation or specimen is attached, had been registered as of the date of registration shown above in the name of

Dr. HARIHARASUDAN ANANDHAN, Dr. TAMILMANI KULAMANGALAM
THIYAGARAJAN

in respect of the application of such design to:

English Language Skill Analyzing Device

International Design Classification:
Version: 14-2023
Class: 14 RECORDING, TELECOMMUNICATION OR DATA PROCESSING EQUIPMENT
Subclass: 02 DATA PROCESSING EQUIPMENT AS WELL AS PERIPHERAL APPARATUS AND DEVICES

Adam Williams
Comptroller-General of Patents, Designs and Trade Marks
Intellectual Property Office
The attention of the Proprietor(s) is drawn to the important notes overleaf.





Intellectual
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Office

Handwritten notes in green ink: a signature, the date 20/3/24, and the initials 'FPAE'.

Registered design
[UNCERTIFIED COPY]

Design details

Design application number

6350795

Filing date (provisional)

03 March 2024

Defer registration

No

Design

English Language Skill Analyzing Device

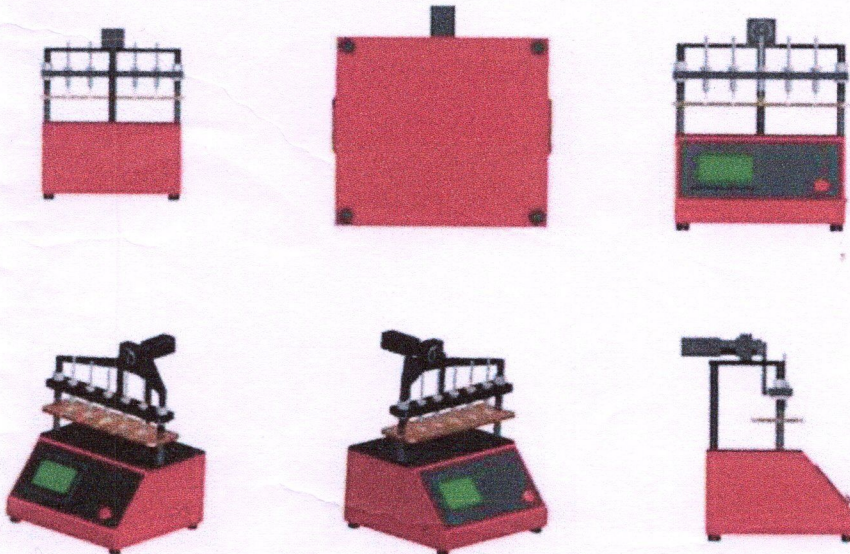
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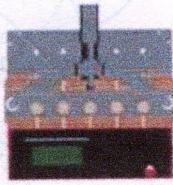
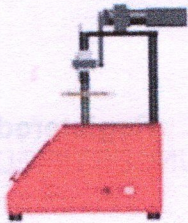
None

Illustration disclaimer

no claim is made for the colour shown

Illustrations





Repeated surface pattern

No

Priority claims

None

Owner details

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Please note this is an uncertified copy of your registration document which you can use for research or personal use.

APPLICANT NAME : **Dr. V. UMADEVI**

TITLE : **USING REMOTE SENSING WITH ADVANCED MACHINE LEARNING METHODS OFFERS SIGNIFICANT POTENTIAL TO ENHANCE**

DATE : **08/07/2024**

APPLICATION NO : **202441052069**

DATE : **19/07/2024**

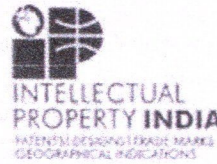
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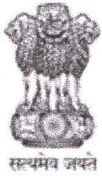
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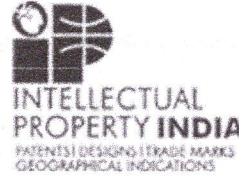
Application Details

APPLICATION NUMBER	202441052069
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	08/07/2024
APPLICANT NAME	1 . Dr.V.Umadevi 2 . Mrs.P.S.Dheepika
TITLE OF INVENTION	USING REMOTE SENSING WITH ADVANCED MACHINE LEARNING METHODS OFFERS SIGNIFICANT POTENTIAL TO ENHANCE
FIELD OF INVENTION	COMPUTER SCIENCE
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PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	19/07/2024



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Application Details

APPLICATION NUMBER	202441052069
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APPLICANT NAME	1 . Dr.V.Umadevi 2 . Mrs.P.S.Dheepika
TITLE OF INVENTION	USING REMOTE SENSING WITH ADVANCED MACHINE LEARNING METHODS OFFERS SIGNIFICANT POTENTIAL TO ENHANCE
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E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	19/07/2024

Application Status

APPLICATION STATUS	Awaiting Request for Examination
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Using Remote Sensing with Advanced Machine Learning Methods Enhance Precision Agriculture Management in Crop Analysis

Field of the Invention

Within Indian agriculture, human inspections, soil sampling, and rudimentary remote sensing technology have been the mainstays of conventional crop monitoring and management practices. Even though manual inspections are useful, they are labor-intensive, time-consuming, and sometimes not feasible for India's large-scale fields. Although soil sampling is a significant source of localized information, it is not an exhaustive overview of the overall health and condition of the area. Precision agriculture requires more scalable and effective solutions due to these constraints. This innovation involves precision agriculture, especially the integration of remote sensing technology with sophisticated machine learning algorithms to improve crop analysis and management. Utilizing a variety of technological devices, precision agriculture aims to manage crops and agricultural techniques more effectively while minimizing the impact on the environment, increasing output, and optimizing resource utilization. By employing satellite or aerial imagery, remote sensing offers the capacity to collect precise and comprehensive information on agricultural conditions from a distance. The innovation uses remote sensing technologies—such as multispectral and hyperspectral imaging—in the context of precision agriculture to gather vital information on crop health, soil properties, moisture content, and insect infestations.

The technology evaluates and analyses large volumes of data to find patterns, forecast trends, and provide accurate crop management suggestions by utilizing advanced machine learning algorithms. Machine learning algorithms are able to categorize various crop kinds, identify irregularities, and forecast potential challenges before they become serious ones. For instance, they can identify sections of a field that are stressed by disease, nutritional imbalance, or water shortage, enabling targeted actions that can enhance crop health and output overall. Precision farming can be revolutionized with the use of machine learning and remote sensing integration. It helps farmers use site-specific management techniques, make data-driven choices, and maximize the use of inputs like water, fertilizer, and pesticides. By reducing the environmental impact, this not only increases crop production and profitability but also supports sustainable farming. Thus, the idea is an important advancement in agricultural technology, offering a strong foundation for bringing crop management procedures up to date via sophisticated data analysis and remote monitoring.

APPLICANT NAME : **Dr. V. UMADEVI**

TITLE : **USING IOT, MONITORING OF THE HUMAN HEALTH USING THE STATISTICAL REPORT BY SUPERVISED CLASSIFICATION**

DATE : **15/07/2024**

APPLICATION NO : **202441053797**

DATE : **26/07/2024**

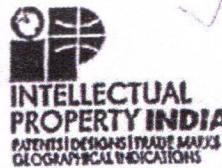
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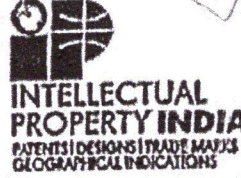
Application Details

APPLICATION NUMBER	202441053797
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	15/07/2024
APPLICANT NAME	1. V.Umadevi 2. Ranganathan S
TITLE OF INVENTION	USING IOT, MONITORING OF THE HUMAN HEALTH USING THE STATISTICAL REPORT BY SUPERVISED CLASSIFICATION
FIELD OF INVENTION	BIO-MEDICAL ENGINEERING
E-MAIL (As Per Record)	
ADDITIONAL-EMAIL (As Per Record)	yazh1999@gmail.com
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PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
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Application Details

APPLICATION NUMBER	202441053797
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	15/07/2024
APPLICANT NAME	1. V.Umadevi 2. Ranganathan S
TITLE OF INVENTION	USING IOT, MONITORING OF THE HUMAN HEALTH USING THE STATISTICAL REPORT BY SUPERVISED CLASSIFICATION
FIELD OF INVENTION	BIO-MEDICAL ENGINEERING
E-MAIL (As Per Record)	
ADDITIONAL-EMAIL (As Per Record)	yazh1999@gmail.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	26/07/2024

Application Status

APPLICATION STATUS

Awaiting Request for Examination

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Using IoT, Monitoring of the human health using the statistical report by supervised classification algorithm approach.

INTRODUCTION

Healthcare is one of the major factors to save a life, reduce the cost of Health Services. IoT is generally used in different fields where majorly used in industries, Health Care, agriculture, e-commerce, and Logistics. Now, everything is connected to the internet where every type of information is exchanged and communicated. Some of the wireless technologies like Bluetooth, WI-Fi, Zigbee connectivity make the internet to connect easily. Here, in the health IoT smart sensing is used to determine a different sensor that connects a patient's body for monitoring the health conditions of patients. The link easily connects to the internet via a wireless network that collects the data and stores it up in the server. They are convenient to use and less cost. A wireless sensor gives the information which gathers up the diverse data by using sensors. Regular monitoring is used to detect illness as an early way of precaution. In 2021, the health risks are growing rapidly after the covid-19 pandemic situation. In rural areas, people can use this to identify if there is any mismatch in their health parameters. The patient's health history is gathered and examined where it is analyzed. The analyzed data is sent as a statistical report. The statistical report denotes the month-wise health report of the patients. This paper provides the constant physical condition monitoring of the human body such as accelerometer, blood pressure, body temperature, ECG, heart rate, pulse, and more different parameters by using IoT and cloud. The data are automatically stored in a cloud server. It stores up permanently that previous data can be checked from the cloud database. Multi parameters of the human body such as BP, body temperature, ECG, heart rate are collected. Arduino UNO is used to collect data from each sensor which transfers wirelessly using IoT. Sensors are connected as output to the IoT device. IoT is used to connect each device which gives human interaction to get a better life. In healthcare, the preservation and development in health can be made by diagnosing the illness, treatment, and prevention from other diseases using IoT. Patient's vital sign has to be constantly monitored to check their vital parameters. The precise rate of the outcome is less since the error rate occurs. The error rate can be reduced by noise distortion amplifier. In the proposed approach, the person's psychological signals are acquired where the sensors of different parameters from the human body. According to Who, it

15-Jul-2024/93244/202441053797/Form 2(Title Page)

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Abstract

Health monitoring is a prominent factor in a person's daily life. As the age of the people drastically continues to increase and increase in the population the Healthcare is a must for elderly patients. An elderly patient's health has to be constantly examined since the health deteriorates as the age profile increases. It affects the patient's health by cardiovascular disease, diabetes, blood pressure, etc. IoT is used everywhere in the healthcare sector to detect illness, which enables professionals to identify and able to connect with their patients. Using IoT, the professionals can remotely monitor the patient's health. A cyber-physical system is used to integrate the physical type process both in communication and computation in purpose. Both CPS and IoT are connected in a wireless medium by using Information and Communication Technology-based. For the personalized purpose, such as constant monitoring of blood pressure, diabetes, ECG, pulse rate, room temperature, and body temperature using wireless sensors. This created a major impact among elderly patients and the people who live alone in remote areas. In rural areas, the IoT has to be initiated with a less computational cost. In this paper, the novelty research is about the use of machine learning where supervised learning is used to classify and determine the dataset in monitoring multi parameters. In supervised learning, the classifier predicts the data set and validates the precise results which are generated. Since the size of the data set is large in size, the data classification algorithm in machine learning analysis several medical data to diagnose the parameters. Statistical data is sent to the caretaker as a monthly statistical report via a Smartphone application.

Keywords

Machine Learning, Supervised Learning, Data Set, Classification, Health Monitoring, IoT, Cps

V. Umadevi

15-Jul-2024/93244/202441053797/Form 2(Title Page)

PATENT OFFICE CHENNAI 16/07/2024 14:59

APPLICANT NAME : **Dr. V. PRIYA**

TITLE : **MACHINE LEARNING AND DEEP LEARNING SYSTEM FOR INCOMING TRAFFIC DETECTION AND CLASSIFICATION IN A SECURE CLOUD COMPUTING ENVIRONMENT**

DATE : **04/08/2023**

APPLICATION NO : **202341052656**

DATE : **01/09/2023**



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Ministry of Commerce & Industry,
Government of India



Application Details

APPLICATION NUMBER	202341052656
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	04/08/2023
APPLICANT NAME	Dr. Priya V
TITLE OF INVENTION	Machine Learning and Deep Learning System for Incoming Traffic Detection and Classification in a Secure Cloud Computing Environment
FIELD OF INVENTION	COMPUTER SCIENCE
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PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	..
PUBLICATION DATE (U/S 11A)	01/09/2023

APPLICANT NAME : **Dr. V. PRIYA**
TITLE : **DIGITAL TECHNOLOGY AND ARTIFICIAL INTELLIGENCE MODEL FOR HR FUNCTION IN LARGE ORGANIZATION**
DATE : **22/05/2023**
APPLICATION NO : **202321035566**
DATE : **11/08/2023**



Office of the Controller General of Patents, Designs & Trade Marks
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Ministry of Commerce & Industry,
Government of India



Application Details

APPLICATION NUMBER	202321035566
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	22/05/2023
APPLICANT NAME	1. Prof. (Dr.) Sachin Kulkarni 2. Prof. (Dr.) Sayalee Gankar 3. Prof. V. LALITHA 4. LAKSHMANACHARI SIDDI 5. Mr. SYED RIZWAN NAQVI 6. Dr. PUJA SAREEN 7. Dr. Priya V 8. Mr. KATROTH BALAKRISHNA MARLUTHIRAM 9. Mr. Shuvam Purkait 10. Dr. Chandrashekar M. Mathapati 11. Dr. Harikumar Pallathadka
TITLE OF INVENTION	DIGITAL TECHNOLOGY AND ARTIFICIAL INTELLIGENCE MODEL FOR HR FUNCTION IN LARGE ORGANISATION
FIELD OF INVENTION	COMPUTER SCIENCE
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PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	11/08/2023

APPLICANT NAME : Dr. K. PARIMALA

TITLE : BIODEGRADABLE ORGANIC NANOMATERIALS FOR SUSTAINABLE AGRICULTURE AND CROP PROTECTION

DATE : 03/06/2023

APPLICATION NO : 202341038288 A

DATE : 30/06/2023

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202341038288 A

(19) INDIA

(22) Date of filing of Application :03/06/2023

(43) Publication Date : 30/06/2023

(54) Title of the invention : Biodegradable Organic Nanomaterials for Sustainable Agriculture and Crop Protection

(51) International classification A01N 250400, A01N 435600, A01N 591600, A61L 275800, B09B 030000
(86) International Application No PCT//
Filing Date 01/01/1900
(87) International Publication No NA
(61) Patent of Addition to Application Number NA
Filing Date NA
(62) Divisional to Application Number NA
Filing Date NA

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5) Dr. Nellure Manoj Kumar
6) Dr. S. Mani Maran
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(57) Abstract

The proposed invention introduces the use of biodegradable organic nanomaterials for sustainable agriculture and crop protection. These nanomaterials, derived from organic sources, offer a unique and environmentally friendly approach to address challenges in conventional farming practices. By harnessing their biocompatibility, low toxicity, and eco-friendliness, the nanomaterials can be tailored to exhibit insecticidal, fungicidal, or antimicrobial properties for effective crop protection. Additionally, they can encapsulate essential nutrients to enhance nutrient uptake efficiency and optimize plant growth, reducing the reliance on synthetic fertilizers. Furthermore, these biodegradable organic nanomaterials act as soil amendments, improving soil structure, water holding capacity, and nutrient retention, thereby promoting soil health and fertility. The proposed invention aligns with the principles of sustainable agriculture, aiming to minimize environmental impact, conserve biodiversity, and support the circular economy. By integrating biodegradable organic nanomaterials into agricultural practices, this invention offers a pathway to a more sustainable and resilient future for farming, ensuring safer food production, reduced chemical pollution, and improved resource efficiency.

No. of Pages : 24 No. of Claims : 10

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(54) Title of the invention : Biodegradable Organic Nanomaterials for Sustainable Agriculture and Crop Protection

(51) International classification :A01N 250400, A01N 435600, A01N 591600, A61L 275800, B09B 030000
(86) International Application No :PCT//
Filing Date :01/01/1900
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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4)Dr. Prafulla Gendaji Bansod
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6)Dr. S. Mani Maran
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8)Dr. Gyanendra Kumar
9)Dr. K. Parimala
10)Dr. Srinivasa Reddy Bireddy
Name of Applicant : NA
Address of Applicant : NA
(72)Name of Inventor :
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9)Dr. K. Parimala
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10)Dr. Srinivasa Reddy Bireddy
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(57) Abstract :

The proposed invention introduces the use of biodegradable organic nanomaterials for sustainable agriculture and crop protection. These nanomaterials, derived from organic sources, offer a unique and environmentally friendly approach to address challenges in conventional farming practices. By harnessing their biocompatibility, low toxicity, and eco-friendliness, the nanomaterials can be tailored to exhibit insecticidal, fungicidal, or antimicrobial properties for effective crop protection. Additionally, they can encapsulate essential nutrients to enhance nutrient uptake efficiency and optimize plant growth, reducing the reliance on synthetic fertilizers. Furthermore, these biodegradable organic nanomaterials act as soil amendments, improving soil structure, water holding capacity, and nutrient retention, thereby promoting soil health and fertility. The proposed invention aligns with the principles of sustainable agriculture, aiming to minimize environmental impact, conserve biodiversity, and support the circular economy. By integrating biodegradable organic nanomaterials into agricultural practices, this invention offers a pathway to a more sustainable and resilient future for farming, ensuring safer food production, reduced chemical pollution, and improved resource efficiency.

No. of Pages : 24 No. of Claims : 10

APPLICANT NAME : **Dr. K. SARAVANAN & Dr. G. REVATHI**

TITLE : **ANTIDIABETIC POLYHERBAL DRUG LOADED CHITOSAN NANOPARTICLE AND A PROCESS THEREOF**

DATE : **09/05/2023**

APPLICATION NO : **202341032840 A**

DATE : **23/06/2023**

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202341032840 A

(19) INDIA

(22) Date of filing of Application :09/05/2023

(43) Publication Date : 23/06/2023

(54) Title of the invention : ANTIDIABETIC POLYHERBAL DRUG LOADED CHITOSAN NANOPARTICLE AND A PROCESS THEREOF

(51) International classification :A61K 091600, A61K 095100, A61K 314355, A61P 031000, C07C 590800
(86) International Application No :PCT//
Filing Date :01/01/1900
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(57) Abstract :

ANTIDIABETIC POLYHERBAL DRUG LOADED CHITOSAN NANOPARTICLE AND A PROCESS THEREOF. ABSTRACT
Chitosan is a natural nontoxic biopolymer derived by the removal of an acetyl group (deacetylation) from chitin taken from the prawn shell. Chitosan nanoparticles are used as drug carrier. It improves drug solubility, stability, enhance efficacy and reduces toxicity by releasing drug slowly. The present study was carried out to synthesis chitosan from prawn shell and preparing drug loaded chitosan nanoparticles using poly herbal formulation (Andrographis paniculata, Andrographis alata, Adhatoda zeylanica, Gymnema sylvestre, Syzygium cumini, and Justicia glabra) and evaluated its antidiabetic efficiency. Chitosan nanoparticles were synthesized by ionic gelation method. Chitosan and drug loaded chitosan nanoparticles were characterized by XRD pattern, FTIR analysis and SEM studies. Prepared chitosan nanoparticles showed spherical in shape, nano range particle size. The size of drug loaded chitosan nanoparticles ranged from 37.6nm to 39.5nm. Nanoparticles were found to be crystalline in nature confirmed by X-ray diffraction (XRD). The prepared drug loaded chitosan nanoparticles exhibited 85% drug encapsulation efficiency. The present results suggested that drug loaded chitosan nanoparticles could be used as an ideal carrier to deliver antidiabetic drug to the specific target.

No. of Pages : 22 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

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(22) Date of filing of Application :09/05/2023

(43) Publication Date : 23/06/2023

(54) Title of the invention : ANTIDIABETIC POLYHERBAL DRUG LOADED CHITOSAN NANOPARTICLE AND A PROCESS THEREOF

(51) International classification :A61K 091600, A61K 095100, A61K 314355, A61P 031000, C07C 590800
(86) International Application No :PCT//
Filing Date :01/01/1900
(87) International Publication No : NA
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Filing Date :NA
(62) Divisional to Application Number :NA
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(57) Abstract :

ANTIDIABETIC POLYHERBAL DRUG LOADED CHITOSAN NANOPARTICLE AND A PROCESS THEREOF. ABSTRACT
Chitosan is a natural nontoxic biopolymer derived by the removal of an acetyl group (deacetylation) from chitin taken from the prawn shell. Chitosan nanoparticles are used as drug carrier. It improves drug solubility, stability, enhance efficacy and reduces toxicity by releasing drug slowly. The present study was carried out to synthesis chitosan from prawn shell and preparing drug loaded chitosan nanoparticles using poly herbal formulation (Andrographis paniculata, Andrographis alata, Adhatoda zeylanica, Gymnema sylvestre, Syzygium cumini, and Justicia glabra) and evaluated its antidiabetic efficiency. Chitosan nanoparticles were synthesized by ionic gelation method. Chitosan and drug loaded chitosan nanoparticles were characterized by XRD pattern, FTIR analysis and SEM studies. Prepared chitosan nanoparticles showed spherical in shape, nano range particle size. The size of drug loaded chitosan nanoparticles ranged from 37.6nm to 39.5nm. Nanoparticles were found to be crystalline in nature confirmed by X-ray diffraction (XRD). The prepared drug loaded chitosan nanoparticles exhibited 85% drug encapsulation efficiency. The present results suggested that drug loaded chitosan nanoparticles could be used as an ideal carrier to deliver antidiabetic drug to the specific target.

No. of Pages : 22 No. of Claims : 10

APPLICANT NAME : **Dr.K.SARAVANAN**
TITLE : **PHYTO-PHARMACOLOGICAL APPRAISAL OF HERBAL CRUDE DRUGS**
PATENT DATE : **201/01/2023**
APPLICATION NO : **202311003216 A**
DATE : **16/01/2023**

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202311003216 A

(19) INDIA

(22) Date of filing of Application :16/01/2023

(43) Publication Date : 20/01/2023

(54) Title of the invention : PHYTO-PHARMACOLOGICAL APPRAISAL OF HERBAL CRUDE DRUGS

(51) International classification :A61P0039060000, B01D0003080000, A01N0065000000, A61K0036770000, A61K0009000000

(86) International Application No :NA
 Filing Date :NA

(87) International Publication No : NA

(61) Patent of Addition to Application Number :NA
 Filing Date :NA

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 Filing Date :NA

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(57) Abstract :

The invention discloses method of phyto-pharmacological appraisal of herbal crude drugs. The method comprising of drying and powdering herbal crude material; concentrating the herbal crude material; analyzing pharmacognostic characteristics of the herbal crude material; and analyzing phytochemical composition of the herbal crude material. The concentrating of the herbal crude material is by using a rotary evaporator. The method analyzes pharmacognostic characteristics of herbal crude material or drugs by macroscopic characterization and microscopic characterization. The method analyzes phyto-chemical composition of herbal crude material or drugs by measuring alkaloids, glycosides, flavonoids, saponins, steroids, tannins and terpenoids. Results show that significant levels of alkaloids, glycosides, flavonoids, saponins, steroids, tannins and terpenoids were measured. This demonstrates that the herbal crude material/drugs have high medicinal value.

No. of Pages : 11 No. of Claims : 4

APPLICANT NAME : **Dr. V. MOHANA SELVI**

TITLE : **A STUDY ON DIFFERENT REBELLION NUMBER FOR SIMPLE GRAPHS AND ITS TIGHT**

DATE : **05/01/2023**

APPLICATION NO : **202341001184 A**

DATE : **13/01/2023**

(12) PATENT APPLICATION PUBLICATION
(19) INDIA

(21) Application No.202341001184 A

(22) Date of filing of Application :05/01/2023

(43) Publication Date : 13/01/2023

(54) Title of the invention : **A STUDY ON DIFFERENT REBELLION NUMBER FOR SIMPLE GRAPHS AND ITS TIGHT BOUNDS**

(51) International classification :G06F0016901000, H04B0007045200, H04L0041120000, G16H0030200000, H04B0010299000
(86) International Application No :PCT//
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(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(57) Abstract :

A STUDY ON DIFFERENT REBELLION NUMBER FOR SIMPLE GRAPHS AND ITS TIGHT BOUNDS Abstract A set $R \subseteq V$ of a graph $G = (V, E)$ is said to be a 'rebellion set' of G , if $|NR(v)| \leq |NV \setminus R(v)|$, $\forall v \in R$ and $|R| \geq |V \setminus R|$. The rebellion number $rb(G)$ is the minimum cardinality of any rebellion set in G . In this paper, we defined rebellion number, strong rebellion number, global rebellion number, total rebellion number for simple graph. Also, we determined its tight bounds for some standard graph and characterize these parameters.

No. of Pages : 10 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202341001184 A

(19) INDIA

(22) Date of filing of Application :05/01/2023

(43) Publication Date : 13/01/2023

(54) Title of the invention : A STUDY ON DIFFERENT REBELLION NUMBER FOR SIMPLE GRAPHS AND ITS TIGHT BOUNDS

(51) International classification :G06F0016901000, H04B0007045200, H04L0041120000, G16H0030200000, H04B0010299000
(86) International Application No :PCT//
Filing Date :01/01/1900
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
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A STUDY ON DIFFERENT REBELLION NUMBER FOR SIMPLE GRAPHS AND ITS TIGHT BOUNDS Abstract A set $R \subseteq V$ of a graph $G = (V, E)$ is said to be a 'rebellion set' of G , if $|NR(v)| \leq |NV \setminus R(v)|$, $v \in R$ and $|R| \geq |V \setminus R|$. The rebellion number $rb(G)$ is the minimum cardinality of any rebellion set in G . In this paper, we defined rebellion number, strong rebellion number, global rebellion number, total rebellion number for simple graph. Also, we determined its tight bounds for some standard graph and characterize these parameters.

No. of Pages : 10 No. of Claims : 8

APPLICANT NAME : **Dr.L.ANITHA**
TITLE : **VIBRATION STRUCTURAL MONITORING SYSTEM
BASED ON INTERNET OF THINKS**
DATE : 18/11/2022
APPLICATION NO : 202241060912 A
DATE : 26/10/2022

पेटेंट कार्यालय
शासकीय जर्नल

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PUBLICATION OF THE PATENT OFFICE

(12) PATENT APPLICATION PUBLICATION
 (19) INDIA
 (22) Date of filing of Application :26/10/2022

(21) Application No.202241060912 A
 (43) Publication Date : 18/11/2022

(54) Title of the invention : VIBRATION STRUCTURAL MONITORING SYSTEM BASED ON INTERNET OF THINGS

(51) International classification :G01M0005000000, G01M0099000000, G01H0001000000, G06F0017000000, G01M0013045000
 (86) International Application No : PCT/IN/2021/0101/1900
 (87) International Publication No : NA
 (61) Patent of Addition in Application Number : NA
 (62) Divisional to Application Number : NA

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(57) Abstract :
 [010] The useful life of a civil structure is related to several factors such as vibrations, physical wear of materials, lack of maintenance, among others, leading to an economic loss and affecting the inhabitants. With this in mind, evaluation studies must be carried out in order to guarantee the structural health and assign safety criteria for its use. The objective of this work is to present the monitoring of vibrations in a structural beam by the non-destructive method, which will not interfere with the functioning of the structure. The proposal presented was a test on a beam of a commercial building, to detect the vibration signals suffered by the structure. In the test, a sensor with an accelerometer connected to a microcontroller (Arduino UNO) was used, which has the function of receiving and transferring the data collected by the sensor to other electronic devices such as tablets, smartphones, computers, etc. This concept is called the Internet of Things (IoT), which makes it possible to connect several objects to a single network, having free access to any information for analysis of results and real-time monitoring. The results obtained from this analysis were compared with the values recommended by the standard, so that the safety conditions of the structure and human comfort were satisfied. Accompanied Drawing [FIG. 1] [FIG. 2] [FIG. 3] [FIG. 4] [FIG. 5] [FIG. 6] [FIG. 7] [FIG. 8] [FIG. 9]

No. of Pages : 20 No. of Claims : 4

APPLICANT NAME : **Mr.B.RAMESH**
TITLE : **BLOCKCHAIN DATA COMMUNICATION CHANNEL OF E- HEALTHCARE SYSTEM**
DATE : **11/04/2022**
APPLICATION NO : **202241021436 A**
DATE : **29/04/2022**

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :11/04/2022

(21) Application No.202241021436 A
(43) Publication Date : 29/04/2022

(54) Title of the invention : BLOCKCHAIN IN DATA COMMUNICATION CHANNEL OF E-HEALTHCARE SYSTEM

(51) International classification :H04L0009320000, H04L0009060000, H04L0029080000,
H04L0029060000, G06F0021640000
(86) International Application :NA
No :NA
Filing Date :NA
(87) International Publication :NA
No :NA
(61) Patent of Addition to :NA
Application Number :NA
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(62) Divisional to Application :NA
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(57) Abstract :
A secured communication channel for e-health care system to transfer data and storage has been invented using blockchain methodology. Blockchain is well known as it is a decentralized absolute ledger used to store encrypted data. The data encryption takes place using the blockchain, in which the blockchain data ledger records all the data processed and also maintains privacy with enhanced operation by reducing the complexity of the health care system.

No. of Pages : 12 No. of Claims : 8

APPLICANT NAME : **Dr.D.JAYACHITRA**
TITLE : **AI AND DEEP LEARNING BASED FRUIT
RECOGNITION & CALORIES ESTIMATION**
DATE : **03/01/2022**
APPLICATION NO : **202211000223 A**
DATE : **14/01/2022**

पेटेंट कार्यालय
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पेटेंट कार्यालय का एक प्रकाशन
PUBLICATION OF THE PATENT OFFICE

INTRODUCTION

In view of the recent amendment made in the Patents Act, 1970 by the Patents (Amendment) Act, 2005 effective from 01st January 2005, the Official Journal of The Patent Office is required to be published under the Statute. This Journal is being published on weekly basis on every Friday covering the various proceedings on Patents as required according to the provision of Section 145 of the Patents Act 1970. All the enquiries on this Official Journal and other information as required by the public should be addressed to the Controller General of Patents, Designs & Trade Marks. Suggestions and comments are requested from all quarters so that the content can be enriched.

(Shri Rajendra Ratnoo)
CONTROLLER GENERAL OF PATENTS, DESIGNS & TRADE MARKS

14th JANUARY, 2022

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**THE PATENT OFFICE
KOLKATA, 14/01/2022**

Address of the Patent Offices/Jurisdictions

The following are addresses of all the Patent Offices located at different places having their Territorial Jurisdiction on a Zonal basis as shown below:-

<p>1 Office of the Controller General of Patents, Designs & Trade Marks, Boudhik Sampada Bhavan, Near Antop Hill Post Office, S.M.Road, Antop Hill, Mumbai - 400 037</p> <p>Phone: (91)(22) 24123311, Fax : (91)(22) 24123322 E-mail: cgpdtm@nic.in</p>	<p>4 The Patent Office, Government of India, Intellectual Property Rights Building, G.S.T. Road, Guindy, Chennai - 600 032.</p> <p>Phone: (91)(44) 2250 2081-84 Fax : (91)(44) 2250 2066 E-mail: chennai-patent@nic.in</p> <p>❖ The States of Andhra Pradesh, Telangana, Karnataka, Kerala, Tamil Nadu and the Union Territories of Puducherry and Lakshadweep.</p>
<p>2 The Patent Office, Government of India, Boudhik Sampada Bhavan, Near Antop Hill Post Office, S.M.Road, Antop Hill, Mumbai - 400 037</p> <p>Phone: (91) (22) 24137701 Fax: (91) (22) 24130387 E-mail: mumbai-patent@nic.in</p> <p>❖ The States of Gujarat, Maharashtra, Madhya Pradesh, Goa and Chhattisgarh and the Union Territories of Daman and Diu & Dadra and Nagar Haveli</p>	<p>5 The Patent Office (Head Office), Government of India, Boudhik Sampada Bhavan, CP-2, Sector -V, Salt Lake City, Kolkata - 700 091</p> <p>Phone: (91)(33) 2367 1943/44/45/46/87 Fax: (91)(33) 2367 1988 E-Mail: kolkata-patent@nic.in</p> <p>❖ Rest of India</p>
<p>3 The Patent Office, Government of India, Boudhik Sampada Bhavan, Plot No. 32, Sector-14, Dwarka, New Delhi - 110075</p> <p>Phone: (91)(11) 25300200 & 28032253 Fax: (91)(11) 28034301 & 28034302 E-mail: delhi-patent@nic.in</p> <p>❖ The States of Haryana, Himachal Pradesh, Jammu and Kashmir, Punjab, Rajasthan, Uttar Pradesh, Uttaraanchal, Delhi and the Union Territory of Chandigarh.</p>	

Website: www.ipindia.nic.in

All applications, notices, statements or other documents or any fees required by the Patents Act, 1970 and The Patents (Amendment) Act, 2005 or by the Patents (Amendment) Rules, 2006 will be received only at the appropriate offices of the Patent Office.

Fees: The Fees may either be paid in cash or may be sent by Bank Draft or Cheques payable to the Controller of Patents drawn on a scheduled Bank at the place where the appropriate office is situated.

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202211000223 A

(19) INDIA

(22) Date of filing of Application :03/01/2022

(43) Publication Date : 14/01/2022

(54) Title of the invention : AI AND DEEP LEARNING BASED FRUIT RECOGNITION AND CALORIE ESTIMATION USING CNN

<p>(51) International classification :A23L003300000, G06K009460000, A23L0033150000, G06K009000000, A61K003330000</p> <p>(86) International Application No : NA Filing Date : NA</p> <p>(87) International Publication No : NA</p> <p>(51) Patent of Addition to Application Number : NA Filing Date : NA</p> <p>(62) Divisional to Application Number : NA Filing Date : NA</p>	<p>(71) Name of Applicant : 1)Dr. Ruby Singh Address of Applicant :Assistant Professor SRM Institute of Science and Technology, NCR Campus, Madhavpur, Ghaziabad-201204, Uttar Pradesh, India ----- 2)Bilal Ahmed Mir 3)Gayatri Vaidya 4)Dr.D.Jayachitra 5)Dr. Aditi Sharma 6)Dr. Deepak Prashar 7)Dr.Amit K.Galkwad 8)Dr. NAVIEN NAGENDRAPPA MALVADE 9)Dr. Ramesh Kaur 10)Dr. Brijesh Sarkhan Name of Applicant : NA Address of Applicant : NA (72) Name of Inventor : 1)Dr. Ruby Singh Address of Applicant :Assistant Professor SRM Institute of Science and Technology, NCR Campus, Madhavpur, Ghaziabad-201204, Uttar Pradesh, India ----- 2)Bilal Ahmed Mir Address of Applicant :Research Scholar, Graduate School of Science and Engineering for Education, University of Toyama , 3190 Gofuku, Toyama, 930-8555, Japan. ----- 3)Gayatri Vaidya Address of Applicant :Assistant Professor,Department of studies in Food Technology, Durgam Cheruvu University, Durgam Cheruvu, Karnataka 577007 India ----- 4)Dr.D.Jayachitra Address of Applicant :Associate Professor Department of Computer Science, Nairu Memorial College, Palanampatti , 621007, Tiruchy Dt, Tamilnadu , India ----- 5)Dr. Aditi Sharma Address of Applicant :Assistant Professor, Institute of Engineering & Technology (An autonomous Constituent Institute of Dr. A.P.J Abdul Kalam Technical University), Lucknow, 226021, Uttar Pradesh, India. ----- 6)Dr. Deepak Prashar Address of Applicant :Principal Green Hills Pharmacy College Kannehatti Solan , Himachal Pradesh , India ----- 7)Dr.Amit K.Galkwad Address of Applicant :Associate Professor SIT Kulkarni Uttam Nagar, Line No 1, Amerwadi 414606, Maharashtra, India ----- 8)Dr. NAVIEN NAGENDRAPPA MALVADE Address of Applicant :Associate Professor Computer Science and Engineering ATME College of Engineering, Banner Road, Mysuru, Karnataka 570028, India ----- 9)Dr. Ramesh Kaur Address of Applicant :JRD, Life Science Department of Life Sciences, RIMT University Fatehgarh Sahib Punjab, India ----- 10)Dr. Brijesh Sarkhan Address of Applicant :Scientist, Geriatrics and Long term care Department, Ramallah Hospital, Hamad Medical Corporation, Doha, Qatar, P. O BOX 3030, Doha, Qatar -----</p>
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(57) Abstract :
Fruits are high in vitamins, minerals, and fiber, all of which are essential for good health. Consuming a variety of fruits and vegetables can reduce your risk of developing cancer, diabetes, and heart disease. The CNN algorithm is used to recognize fruits in this paper. This is a positive type of acknowledgement. If you want to know how many calories are in a food, you'll need to consult a nutrition table and a model trained on images of various fruits. The raspberry pi's webcam allows it to capture images of what's going on in front of it. Image detection is one of the most promising claims of visual object recognition when it comes to determining how many calories you need to eat and changing your eating habits. The nutrition our bodies require is provided by the food we eat. We can end up with a wide range of health problems if we don't get enough precise information about our metabolic progress and fitness decline. Simply put, we believe that proper nutrition is critical to our health. According to some recent research, people who don't get enough food may struggle with a variety of issues. Scientists need to believe that diseases like diabetes and obesity were caused by a single change in a single gene. They now believe that a faulty system of living things is to blame. Because of this project, there will be better ways to keep people's fitness level up or down. It is designed to meet the needs of patients and users.

No. of Pages : 11 No. of Claims : 7

APPLICANT NAME : **Dr. V.UMADEVI**
TITLE : **A1 ABETLED MATERIAL SYNTHESISISSING FOR
HYBRID METAL RUBBER COMPOSITE AND 3D
PRINTING**
PATENT NO : **2021103605**
DATE : **25/08/2021**
DATE : **16/05/2021**



Australian Government
IP Australia

CERTIFICATE OF GRANT INNOVATION PATENT

Patent number: 2021102605

The Commissioner of Patents has granted the above patent on 25 August 2021, and certifies that the below particulars have been registered in the Register of Patents.

Name and address of patentee(s):

UMADEVI V. of Asst. Prof., PG & Research, Dept. of CSE, Nehru memorial college, Puthanampatti Trichy
Tamilnadu 621007 India

Title of invention:

AI abetted material synthesising for hybrid metal rubber composite and 3D Printing

Name of inventor(s):

V., UMADEVI

Term of Patent:

Eight years from 16 May 2021

NOTE: This Innovation Patent cannot be enforced unless and until it has been examined by the Commissioner of Patents and a Certificate of Examination has been issued. See sections 120(1A) and 129A of the Patents Act 1990, set out on the reverse of this document.






Dated this 25th day of August 2021

Commissioner of Patents

PATENTS ACT 1990

The Australian Patents Register is the official record and should be referred to for the full details pertaining to this IP Right.

APPLICANT NAME : **Dr.K.SARAVANAN & Dr.G.REVATHI**
TITLE : **NANOTECHNOLOGY BASED ANTIMICROBIAL
BANDAGE DISPENSING INSTRUMENT**
PATENT NO : **353516-001**
DATE : **31/12/2021**
DATE : **22/11/2021**

		ORIGINAL
	भारत सरकार GOVERNMENT OF INDIA पेटेंट कार्यालय THE PATENT OFFICE	No. 106619
CERTIFICATE OF REGISTRATION OF DESIGN		
Design No.	353516-001	
Date	22/11/2021	
Reciprocity Date*		
Country		
<p>Certified that the design of which a copy is annexed hereto has been registered as of the number and date given above, in class 24-04 in respect of the application of such design to NANOTECHNOLOGY BASED ANTIMICROBIAL BANDAGE DISPENSING INSTRUMENT in the name of 1.MR. T. PURUSHOTHAMAN, ASSISTANT PROFESSOR, DEPARTMENT OF BIOTECHNOLOGY & RESEARCH, SNNIV COLLEGE OF ARTS AND SCIENCE, SHRI GAMBHERMAL BAENA NAGAR, MALUMICHAMPATTI, COIMBATORE, TAMILNADU, INDIA 2. DR. K. SARAVANAN, ASSISTANT PROFESSOR, PG & RESEARCH DEPARTMENT OF ZOOLOGY, NEHRU MEMORIAL COLLEGE, PUTHANAMPATTI, TIRUCHIRAPPALLI, TAMILNADU, COIMBATORE 3. DR. G. REVATHI, ASSISTANT PROFESSOR, PG & RESEARCH DEPARTMENT OF ZOOLOGY, NEHRU MEMORIAL COLLEGE, PUTHANAMPATTI, TIRUCHIRAPPALLI, COIMBATORE, TAMILNADU, INDIA 4. DR. S. ELAVARASI, ASSISTANT PROFESSOR OF ZOOLOGY, HOLY CROSS COLLEGE (AUTONOMOUS), TIRUCHIRAPPALLI, TAMILNADU, INDIA, ET AL.</p>		
in pursuance of and subject to the provisions of the Designs Act, 2000 and the Designs Rules, 2001,		
		
Controller General of Patents, Designs and Trade Marks		
*The reciprocity date (if any) which has been allowed and the name of the country. Copyright in the design will subsist for ten years from the date of registration, and may under the terms of the Act and Rules, be extended for a further period of five years. This Certificate is not for use in legal proceedings or for obtaining registration abroad.		
DR. C. GABRIEL PRAHMI, CG-02, ANNAL AATHIKA APARTMENT, RODIPALAYAM ROAD, MALUMICHAMPATTI, COIMBATORE 641050		
Date of Issue 22/11/2021 15:21:57		

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DATE: 31/12/2021

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PUBLICATION OF THE PATENT OFFICE

DESIGN NUMBER	353499-001	
CLASS	09-03	
KAP CONES PRIVATE LIMITED, A-31/4, MAYAPURI INDUSTRIAL AREA, PHASE-1, NEW DELHI- 110064.		
DATE OF REGISTRATION	21/11/2021	
TITLE	CONTAINER	
PRIORITY NA		
DESIGN NUMBER	353516-001	
CLASS	24-04	
1.MR. T. PURUSHOTHAMAN, ASSISTANT PROFESSOR, DEPARTMENT OF BIOTECHNOLOGY & RESEARCH, SNMV COLLEGE OF ARTS AND SCIENCE, SHRI GAMBHIRMAL BAFNA NAGAR, MALUMICHAMPATTI, COIMBATORE, TAMILNADU, INDIA 2. DR. K. SARAVANAN, ASSISTANT PROFESSOR, PG & RESEARCH DEPARTMENT OF ZOOLOGY, NEHRU MEMORIAL COLLEGE, PUTHANAMPATTI, TIRUCHIRAPALLI, TAMILNADU, COIMBATORE 3. DR. G. REVATHI, ASSISTANT PROFESSOR, PG & RESEARCH DEPARTMENT OF ZOOLOGY, NEHRU MEMORIAL COLLEGE, PUTHANAMPATTI, TIRUCHIRAPALLI, COIMBATORE, TAMILNADU, INDIA 4. DR. S. ELAVARASI, ASSISTANT PROFESSOR OF ZOOLOGY, HOLY CROSS COLLEGE (AUTONOMOUS), TIRUCHIRAPPALLI, TAMILNADU, INDIA , ET AL.		
DATE OF REGISTRATION	22/11/2021	
TITLE	NANOTECHNOLOGY BASED ANTIMICROBIAL BANDAGE DISPENSING INSTRUMENT	
PRIORITY NA		
DESIGN NUMBER	353600-001	
CLASS	24-01	
1.DR. ABHINANDAN RAVSAHEB PATIL, SANJAY GHODAWAT UNIVERSITY KOLHAPUR, INDIA 2. MRS. MOHSINA F. PATWEKAR, LUQMAN COLLEGE OF PHARMACY, GULBARGA, INDIA. 3. DR. FAHEEM I. PATWEKAR, LUQMAN COLLEGE OF PHARMACY, GULBARGA, INDIA		
DATE OF REGISTRATION	24/11/2021	
TITLE	BIOSENSOR BASED BIOTECH DEVICE TO DETECT LUNG CANCER	
PRIORITY NA		

APPLICANT NAME : **Dr. A. IDHAYADHULLA & Dr. R. SURENDRAKUMAR**

TITLE : **LARVICIDAL AND ANTIFEEDANT COMPOUNDS AND A PROCESS THEREOF**

DATE : **25/10/2019**

APPLICATION NO : **201941043599 A**

DATE : **30/04/2021**

(17) PATENT APPLICATION PUBLICATION	(21) Application No.201941043599 A
(19) INDIA	
(22) Date of filing of Application :25/10/2019	(43) Publication Date : 30/04/2021
(54) Title of the invention : LARVICIDAL AND ANTIFEEDANT COMPOUNDS AND A PROCESS THEREOF	
(51) International classification	:C07K0007080000, C07H0017080000, C08G0077460000, C07D0498180000, C07D0409140000
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	:NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA
(71)Name of Applicant :	1)Akbar Idhayadhulla Address of Applicant :working at PG & Research Department of Chemistry, Nehru Memorial College, Puthanampatti 621 007, Tiruchirapalli District, Tamil Nadu, India. Tamil Nadu India
(72)Name of Inventor :	1)Akbar Idhayadhulla 2)Anis Ahamed 3)Fuad Ameen 4)Radhakrishnan Surendra Kumar
(57) Abstract : ABSTRACT Title: 1, 5-Diphenylpent-4-en-1-one derivatives as larvicidal and antifeedant compounds and a process thereof The compounds of the present disclosure are novel water soluble, non-toxic Larvicidal and Antifeedant Mannich base compounds of formula I, Formula I In addition, the disclosure provides a simple and efficient grindstone chemistry methodology to obtain compounds of, formula I, the present disclosure. The proposed methodology is a solvent and catalyst free process	
No. of Pages : 30 No. of Claims : 10	

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(12) PATENT APPLICATION PUBLICATION

(21) Application No.201941043599 A

(19) INDIA

(22) Date of filing of Application :25/10/2019

(43) Publication Date : 30/04/2021

(54) Title of the invention : **LARVICIDAL AND ANTIFEEDANT COMPOUNDS AND A PROCESS THEREOF**

(51) International classification	:C07K0007080000, C07H0017080000, C08G0077460000, C07D0498180000, C07D0409140000	(71)Name of Applicant : 1)Akbar Idhayadhulla Address of Applicant :working at PG & Research Department of Chemistry, Nehru Memorial College, Puthanampatti 621 007, Tiruchirapalli District, Tamil Nadu, India. Tamil Nadu India
(31) Priority Document No	:NA	(72)Name of Inventor :
(32) Priority Date	:NA	1)Akbar Idhayadhulla
(33) Name of priority country	:NA	2)Anis Ahamed
(86) International Application No	:NA	3)Fuad Ameen
Filing Date	:NA	4)Radhakrishnan Surendra Kumar
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number:	NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

ABSTRACT Title: 1, 5-Diphenylpent-4-en-1-one derivatives as larvicidal and antifeedant compounds and a process thereof The compounds of the present disclosure are novel water soluble, non-toxic Larvicidal and Antifeedant Mannich base compounds of formula I. Formula I In addition, the disclosure provides a simple and efficient grindstone chemistry methodology to obtain compounds of, formula I, the present disclosure. The proposed methodology is a solvent and catalyst free process.

No. of Pages : 30 No. of Claims : 10

APPLICANT NAME : **Dr.A. IDHAYADHLLA & Dr.R.SURENDRAKUMAR**
TITLE : **LARVICIDAL COMPOUNDS AND A PROCESS THEREOF**
PATENT NO : **359404**
DATE : **14/06/2019**
APPLICATION NO : **201941022600 A**
DATE : **07/06/2019**



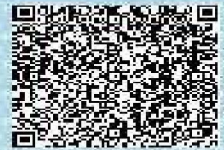
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PROPERTY INDIA**
PATENTS | DESIGNS | TRADE MARKS
GEOGRAPHICAL INDICATIONS



सत्यमेव जयते

भारत सरकार
GOVERNMENT OF INDIA
पेटेंट कार्यालय
THE PATENT OFFICE
पेटेंट प्रमाणपत्र
PATENT CERTIFICATE
(Rule 74 Of The Patents Rules)

क्रमांक : 044127321
SL No :



पेटेंट सं. / Patent No.	:	359404
आवेदन सं. / Application No.	:	201941022600
फाइल करने की तारीख / Date of Filing	:	07/06/2019
पेटेंटी / Patentee	:	1.Akbar Idhayadhulla 2.Radhakrishnan SurendraKumar

प्रमाणित किया जाता है कि पेटेंटी को उपरोक्त आवेदन में बयां प्रकटित LARVICIDAL COMPOUNDS AND A PROCESS THEREOF नामक आविष्कार के लिए, पेटेंट अधिनियम, १९७० के उपबंधों के अनुसार आज तारीख 7th day of June 2019 से बीस वर्ष की अवधि के लिए पेटेंट अनुदत्त किया गया है।

It is hereby certified that a patent has been granted to the patentee for an invention entitled LARVICIDAL COMPOUNDS AND A PROCESS THEREOF as disclosed in the above mentioned application for the term of 20 years from the 7th day of June 2019 in accordance with the provisions of the Patents Act,1970.



अनुदान की तारीख : 24/02/2021
Date of Grant :

पेटेंट नियंत्रक
Controller of Patent

टिप्पणी - इस पेटेंट के नवीकरण के लिए फीस, यदि इसे बनाए रखा जाना है, 7th day of June 2021 को और उसके पश्चात प्रत्येक वर्ष में उसी दिन देय होगी।
Note - The fees for renewal of this patent, if it is to be maintained will fall / has fallen due on 7th day of June 2021 and on the same day in every year thereafter.

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PUBLICATION OF THE PATENT OFFICE

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201941022600 A

(19) INDIA

(22) Date of filing of Application :07/06/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : LARVICIDAL COMPOUNDS AND A PROCESS THEREOF

(51) International classification :A01N25/00
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No :NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)Akbar Idhayadhulla
Address of Applicant :Working at Research Department of
Chemistry, Nehru Memorial College, Puthanampatti ,
Tiruchirappalli District Tamil Nadu India
2)Radhakrishnan SurendraKumar
(72)Name of Inventor :
1)Akbar Idhayadhulla
2)Radhakrishnan SurendraKumar

(57) Abstract :

Title: Larvicidal compounds and a process thereof The present disclosure is in relation to the synthesis of 2-pyrimidinamine core derivatives via green chemistry approach. The compounds of formula I of the disclosure have excellent larvicidal activity. In addition, the compounds of the invention can be formulated into a suitable formulation to kill the larvae.

No. of Pages : 29 No. of Claims : 10

APPLICANT NAME : **Dr.M.P.SHANTHI**
TITLE : **A PHARMACKUTICAL FORMULATION FOR TREATING UROLITHIASIS**
PATENT DATE : **24/10/2017**
APPLICATION NO : **201741037650 A**
DATE : **24/11/2017**

(12) PATENT APPLICATION PUBLICATION (21) Application No.201741037650 A
(19) INDIA
(22) Date of filing of Application :24/10/2017 (43) Publication Date : 24/11/2017

(54) Title of the invention : A PHARMACKUTICAL FORMULATION FOR TREATING UROLITHIASIS

(81) International classification	:A61K36/9066; A61P1/16; A61P13/04	(71)Name of Applicant : 1)SREE BALAJI MEDICAL COLLEGE & HOSPITAL, BIHER- BHARATHI UNIVERSITY Address of Applicant :#7, WORKS ROAD, CHROMEPET, CHENNAI-600044, TAMILNADU, INDIA Tamil Nadu India
(81) Priority Document No	:NA	(72)Name of Inventor : 1)Dr.G.BUPESH 2)Dr.P.THIRUMALAI VASAN 3)Dr.M.P.SANTHI 4)Dr.WMS.JOHNSON
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	:NA	
(81) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(92) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :
APPLICANT: SREE BALAJI MEDICAL COLLEGE & HOSPITAL, BIHER- BHARATH UNIVERSITY TITLE: A PHARMACKUTICAL FORMULATION FOR TREATING UROLITHIASIS ABSTRACT The present invention discloses a novel herbal pharmaceutical formulation exhibiting excellent antioxidant and antianthelmintic activity for treating subjects with Urolithiasis. The herbal formulation of the present invention comprises of combination of extract of Biophytum sensitivum and Triphala along with atleast one pharmaceutically acceptable carrier. The present invention also discloses a process of preparing the novel herbal pharmaceutical formulation

No. of Pages : 21 No. of Claims : 9

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INTRODUCTION

In view of the recent amendment made in the Patents Act, 1970 by the Patents (Amendment) Act, 2005 effective from 01st January 2005, the Official Journal of The Patent Office is required to be published under the Statute. This Journal is being published on weekly basis on every Friday covering the various proceedings on Patents as required according to the provision of Section 145 of the Patents Act 1970. All the enquiries on this Official Journal and other information as required by the public should be addressed to the Controller General of Patents, Designs & Trade Marks. Suggestions and comments are requested from all quarters so that the content can be enriched.

(Om Prakash Gupta)
CONTROLLER GENERAL OF PATENTS, DESIGNS & TRADE MARKS

24th NOVEMBER, 2017



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(54) Title of the invention : **A PHARMACEUTICAL FORMULATION FOR TREATING UROLITHIASIS**

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(57) Abstract :

APPLICANT: SREE BALAJI MEDICAL COLLEGE & HOSPITAL, BIHER- BHARATH UNIVERSITY TITLE: A PHARMACEUTICAL FORMULATION FOR TREATING UROLITHIASIS ABSTRACT The present invention discloses a novel herbal pharmaceutical formulation exhibiting excellent antioxidant and antiurolithiac activity for treating subjects with Urolithiasis. The herbal formulation of the present invention comprises of combination of extract of Biophytum sensitivum and Triphala along with atleast one pharmaceutically acceptable carrier. The present invention also discloses a process of preparing the novel herbal pharmaceutical formulation

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